

In the Specification

Please amend paragraph [0004] of the application as follows:

[0004] Accurate monitoring of a patient's breathing can be important in a wide variety of medical applications. In imaging, an accurate knowledge of respiration phase may be used to properly assemble x-ray tomographic or magnetic resonance imaging components acquired during breathing into an image free of image artifacts. In radiation therapy, accurate knowledge of respiration phase may be used to steer or limit the radiation beam to accurately apply radiation to the correct tissue. In a new radiation treatment delivery described in co-pending application U.S. Ser. No. 10/702,810 filed on November 6, 2003~~_____ filed on even date herewith~~ and hereby incorporated by reference, accurate knowledge of the respiration phase is used to synchronize the treatment plan phase and respiration phase allowing continuous breathing by the patient during treatment to produce an imaging and radiation treatment.